

Form PTO-1449		Docket Number (Optional) KVC-051.01		Application Number 09/998,944			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Applicant Bennett, S.			
Filing Date October 31, 2001				Group Art Unit 2877			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE IF APPROPRIATE		
SAT ↑	AAA	4,571,650	2/18/86	Ojima et al.			
	AAB	4,603,931	08/05/86	Ruffman			
	AAC	4,615,582	10/07/86	Lefevre et al.			
	AAD	4,630,229	12/16/86	D'Hondt			
	AAE	4,630,890	12/23/86	Ashkin et al.			
	AAF	4,637,722	1/20/87	Kim			
	AAG	4,668,264	05/26/87	Dyott			
	AAH	4,669,814	06/02/87	Dyott			
	AAI	4,697,876	10/06/87	Dyott			
	AAJ	4,705,399	11/10/87	Graindorge et al.			
	AAK	4,712,866	12/15/87	Dyott			
	AAL	4,733,938	03/29/88	Lefevre et al.			
	AAM	4,740,085	04/26/88	Lim			
	SAT	AAN	4,755,021	07/05/88	Dyott		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
EA	DE 33-05 104 A1	16 Aug 84	German				X
EB	FR 2 535 463 A	18 May 84	France				
EC	DE 36 15 305 A1	12 Nov. 87	German				X
ED	DE 37 42 201 A1	22 June 89	Germany	X			
EE	EP 0 551 874 A2	21 Jul 93	EPO	X			X
EF	EP 0 586 242 A1	9 Mar. 94	EPO	X			
OTHER DOCUMENTS						(Including Author, Title, Date, Pertinent Pages Etc.)	
FA	Alekseyev et al., "Fiber Optic Gyroscope With Suppression of Excess Noise From the Radiation Source", Technical Physical Letters, 24(9): 719-721, (September 1998)						
EXAMINER	S.A. Tuvon			DATE CONSIDERED 5-5-04			
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SAT	AAO	4,756,589	01/15/86	Bricheno et al.			
	AAP	4,765,739	08/23/88	Koizumi et al.			
	AAQ	4,776,700	10/11/88	Frigo			
	AAR	4,796,993	01/10/89	Sonobe et al.			
	AAS	4,815,817	03/28/89	Levinson			
	AAT	4,842,409	06/27/89	Arditty et al.			
	AAU	4,848,910	07/18/89	Dupraz			
	AAV	4,883,358	11/28/89	Okada			
	AAW	4,887,900	12/19/89	Hall			
	AAX	4,943,132	07/24/90	Huang			
	AAZ	5,033,854	07/23/91	Matthews et al.			
	SAT	AAZ	5,048,962	09/17/91	Kurokawa et al.		
FOREIGN PATENT DOCUMENTS							
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						YES	NO
	EG JP 07209398	11 Aug 95	Japan			English Abstract	
	EH EP 0 686 867 A1	13 Dec 95	European Patent Application				X
	EI EP 0 722 081 A2	17 July 96	European Patent Application				
	EJ EP 856 737 A1	3 Aug. 98	EPO				
	EK EP 0 871 009 A1	14 Oct. 98	EPO				
	EL EP 0 872 756 A1	21 Oct. 98	European Patent Application				
	EM WO 98/58268 A	23 Dec 98	PCT (corresponds to 6,023,331)				
	EN WO 00/36425	22 June 00	PCT				
	EO WO 00/31551	2 June 00	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)							
FB	Blake et al., "In-Line Sagnac Interferometer Current Sensor," <i>IEEE</i> , pp. 116-121 (1995).						
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S.A.T.	BA 5,056,919	10/15/91	Arditty et al.				
↑	BB 5,063,290	11/05/91	Kersey				
	BC 5,074,665	12/24/91	Huang et al.				
	BD 5,080,489	01/14/92	Nishikawa et al.				
	BE 5,096,312	03/17/92	Huang				
	BF 5,106,193	04/21/92	Fesler et al.				
	BG 5,133,600	07/28/92	Schröder				
	BH 5,135,555	08/04/92	Coyle, Jr. et al.				
	BI 5,136,235	08/04/92	Brandle et al.				
	BJ 5,289,257	02/22/94	Kurokawa et al.				
	BK 5,289,258	02/22/94	Szafraniec, et al.				
	BL 5,331,404	07/19/94	Moeller et al.				
	BM 5,351,123	09/27/94	Spahlinger				
	BN 5,359,413	10/25/94	Chang et al.				
	BO 5,365,338	11/15/94	Bramson				
	BP 5,406,370	04/11/95	Huang et al.				
	BQ 5,412,471	05/02/95	Tada et al.				
	BR 5,457,532	10/10/95	August et al.				
	BS 5,459,575	10/17/95	Malvern				
	BT 5,469,257	11/21/95	Blake et al.				
	BU 5,469,267	11/21/95	Wang				
S.A.T.	BV 5,471,301	11/28/95	Kumagai et al.				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)							
FC	Blake and Szafraniec, "Random Noise in PM and Depolarized Fiber Gyros", OSA Symposium Proceedings, 1997, OWD2, pp. 122-125						
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SAT	BW	5,475,772	12/12/95	Hung et al.	
	BX	5,493,396	02/20/96	Sewell	
	BY	5,500,909	03/19/96	Meier	
	BZ	5,504,684	04/02/96	Lau et al.	
	CA	5,513,003	04/30/96	Morgan.	
	CB	5,552,887	09/03/96	Dyott	
	CC	5,559,908	09/24/96	August, et al.	
	CD	5,602,642	02/11/97	Bergh et al.	
	CE	5,644,397	07/01/97	Blake	
	CF	5,654,906	08/05/97	Youngquist	
	CG	5,655,035	08/05/97	Burmenko	
	CH	5,682,241	10/28/97	Mark et al.	
	CI	5,696,858	12/09/97	Blake.	
	CJ	5,701,177	12/23/97	Kumagai et al.	
	CK	5,701,376	12/23/97	Shirasaki	
	CL	5,767,509	06/16/98	Cardova et al.	
	CM	5,781,675	07/14/98	Tseng et al.	
	CN	5,854,864	12/29/98	Knoesen et al.	
	CO	5,898,496	04/27/99	Huang et al.	
	CP	5,946,097	08/31/99	Sanders et al.	
SAT	CQ	5,953,121	09/14/99	Bohnert et al.	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)					
FD	Bohnert, et al., "Field Test of Interferometric Optical Fiber High-Voltage and Current Sensors" <i>SPIE</i> , Vol. 2366 pp. 16-19 (Feb. 1994).				
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SAT	CR	5,987,195	11/16/99	Blake		
↑	CS	6,023,331	02/08/00	Blake et al.		
	CT	6,025,915	02/15/00	Michal, et al.		
	CU	6,047,095	04/04/00	Knoesen et al.		
	CV	6,075,915	6/13/00	Koops et al.		
	CW	6,148,131	11/14/00	Geertman		
	CX	6,163,632	12/19/00	Rickman et al.		
	CY	6,185,033	02/06/01	Bosc et al.		
	CZ	6,188,811	02/13/01	Blake		
	DA	6,208,775	03/27/01	Dyott		
	DB	6,233,371	05/15/01	Kim et al.		
	DC	6,301,400	10/09/01	Sanders		
	DD	6,307,632	10/23/01	Blake		
	DE	6,351,310	02/26/02	Ernge et al.		
	DF	6,356,351	03/12/02	Blake		
	DG	6,370,289	04/09/02	Bennett		
	DH	6,389,185	01/08/01	Meise et al.		
	DI	6,396,965	11/22/00	Anderson		
✓	DJ	6,434,285	08/13/02	Blake et al.		
SAT	DK	6,535,654	03/18/03	Goettsche et al.		

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

←	Bohnert et al., "Temperature and Vibration Insensitive Fiber-Optic Current Sensor" <i>ABB</i> , Vol. 2360 pp 336-339- (Feb. 1994).
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)			
FF	Burns, et al., "Excess Noise in Fiber Gyroscope Sources", IEEE Photonics Technology Letter, Vol 2, No. 8, August 1990, pp. 606-608.		
FG	Clark et al., "Application of a PLL and ALL Noise Reduction Process in Optical Sensing System," IEEE Transactions on Industrial Electronics, Vol. 44, No. 1, February 1997, pp. 136-138		
FH	Dagenais et al., "Low-Frequency Intensity Noise Reduction for Fiber-Optic Sensor Applications," Optical Fiber Sensors Conference, 1992, January 29-31, pp. 177-180		
FI	Dupraz, J.P., "Fiber-Optic Interferometers for Current Measurement: Principles and Technology", Alstom Review No. 9: 29-34 (December 1987).		
FJ	Frosio, G. and Dändliker, "Reciprocal Reflection Interferometer for a Fiber-Optic Faraday Current Sensor", Applied Optics 33 (25): 6111-6122 (September 1, 1994).		
FK	Grenau Yuval et al., "Digital Signal Processing For An Open-Loop Fiber-Optic Gyroscope", Applied Optics, Optical Society of America, Washington, U.S., vol. 34, no. 25, 1 September 1995, pgs. 5849-5853		
FL	Killian M. Kevin; "Pointing Grade Fiber-Optic Gyroscope", IEEE AES Systems Magazine, pp. 6-10 (July 1994)		
FM	LaViolette and Bossler, "Phase Modulation Control for An Interferometric Fiber Optic Gyroscope", IEEE Plan 90, Position Location and Navigation Symposium, Las Vegas, (March 20-23, 1990)		
FN	Lefevre, "The Fiber-Optic Gyroscope", Artech House, Boston, pp. 29-30 (1993)		
FO	McCallion and Shimazu, "Side-Polished Fiber Provides Functionality and Transparency", Laser Focus World, 34 (9): S19-S24, (September 1, 1998)		
FP	Moeller and Burns, "1.06µm All-fiber Gyroscope with Noise Subtraction, Proceedings of the Conference on Optical Fiber Sensors", IEEE-QSA, Monterey, CA, 1992, pp. 82-85		
FQ	Moeller and Burns, "Observation of Thermal Noise in a Dynamically Biased Fiber-Optic Gyro", Optical Letters, 1996, Vol. 21, pp. 171-173.		
FR	Nikos Drakos, "Circular Polarization States for Light, and Quarter-Wave Plates," Computer Based Learning Unit, University of Leeds (March 2, 1998)		
FS	Ono et al.; "A Small-Sized, Compact, Open-loop Fibre-Optic Gyroscope with Stabilized Scale Factor", Meas. Sci. Technol. 1: 1078-1083, (1990)		
FT	Polynkin et al.; "All-Optical Noise-Subtraction Scheme for a Fiber-Optic Gyroscope", Optics Letters, 25(3): 147-149, (February 1, 2000)		
FU	Rabelo et al.; "SNR Enhancement of Intensity Noise-Limited FOGs", Journal of Lightwave Technology 18(12):2146-2150 (December 2000)		
FV	Short, S. et al., "Elimination of Birefringence Induced Scale Factor Errors in the In-Line Sagnac Interferometer Current Sensor", Journal of Lightwave Technology 16 (10): 1844-1850 (October 1998).		
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